2123 #9 SP 3-01-04

PTO/SB/21 (03-03)
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(to be used for all correspondence after initial filing)

Application Number	10/053,354
Filing Date	November 2, 2001
First Named Inventor	Rosenthal, Dan E.
Art Unit	2123
Examiner Name	Unassigned
Total Number of Pages in This Submission: 8 cks	Attorney Docket Number: 020910-000210US

ENCLOSURES *(check all that apply)*

- ☐ Fee Transmittal Form
  - ☐ Fee Attached
- ☐ Amendment / Reply
  - ☐ After Final
  - ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
  - ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☐ Assignment Papers
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):

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Firm or Individual	Protein Mechanics, Inc. Charles K. Sholtz Reg. No. 38,615
Signature	
Date	February 13, 2004

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Dan E. Rosenthal

Application No.: 10/053,354

Filed: November 2, 2001

For: METHOD FOR RESIDUAL FORM IN MOLECULAR MODELING

Examiner: Unassigned

Art Unit: 2123

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.97 and §1.98

Commissioner for Patents
P.O. Box 1450
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Sir:

The references cited on attached form PTO/SB/08B are being called to the attention of the Examiner. Copies of the references are enclosed. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information, and no inference should be made that the information and references cited are, or are considered to be material to patentability because they are in this statement. No inference should be made that the information and references cited are prior art merely because they are in this statement.

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Respectfully submitted,

Charles K. Sholtz
Reg. No. 38,615

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known	
Application Number	10/053,354
Filing Date	November 2, 2001
First Named Inventor	Rosenthal, Dan E.
Art Unit	2123
Examiner Name	Unassigned
Attorney Docket Number	020910-000210US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
		ABAGYAN, et al., "*New Methodology for Computer-Aided Modelling of Biomolecular Structure and Dynamics 2. Local Deformation Cycles*", 1989, Journal of Biomolecular Structure & Dynamics 6(4):833-845.	
		GIBSON, et al., "*Variable Step Molecular Dynamics: An Exploratory Technique for Peptides with Fixed Geometry*", 1990, Journal of Computational Chemistry 11(4):468-486.	
		JAIN, et al., "*Linearization of Manipulator Dynamics Using Spatial Operators*", 1993, IEEE Transactions on Systems, Man and Cybernetics 23(1):239-248.	
		LUDOVICE, et al., "*Molecular dynamics of geometrically constrained polymer systems in generalized coordinates: Basic formalism*", 1991, Computational Polymer Science 1:69-79.	
		MAZUR, et al., "*New Methodology for Computer-Aided Modelling of Biomolecular Structure and Dynamics 1. Non-Cyclic Structures*", 1989, Journal of Biomolecular Structure & Dynamics 6(4):815-832.	
		PESKIN, ET AL., "*Molecular Dynamics by the Backward-Euler Method*", 1989, Communications on Pure and Applied Mathematics XLII:1011-1031.	
		ROSENTHAL, et al., "*High Performance Multibody Simulations via Symbolic Equation Manipulation and Kane's Method*", 1986, The Journal of the Astronautical Sciences, 34(3):223-239.	
		ROSENTHAL, "*An Order n Formulation for Robotic Systems*", 1990, The Journal of the Astronautical Sciences, 38(4):511-529.	
		ROSENTHAL, "*Engineers Notes: Triangulation of Equations of Motion for Robotic Systems*", 1988, The Journal of Guidance, 11(3):278-281.	
		SCHLICK, et al., "*A molecular dynamics simulation of a water droplet by the implicit Euler/Langevin scheme*", 1991, J. Chem. Phys., 94(3):2118-2129.	
		ZHANG, et al., "*The Langevin/implicit-Euler/normal-mode scheme for molecular dynamics at large timesteps*", 1994, J. Chem. Phys. 101(6):4995-5012.	

Examiner Signature		Date Considered	

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